

GSFC ELECTROSTATIC DISCHARGE (ESD) HORIZONTAL SURVEY

In preparation for the ISO Audits and Registration, this survey is intended to assist all applicable GSFC facilities handling ESD-sensitive hardware in implementing the ESD requirements of NASA-STD 8739.7 (December 1997).

Date _____

Bldg. _____ Rm. _____ POC _____ Code _____ Phone _____

Performed by _____ Phone _____

REQUIREMENT		STANDARD REF.	COMMENTS
1	All static dissipative work surfaces have a surface resistivity of 10^5 to 10^9 Ω .	7.2 – 3a 7.2 – 3b	
2	All work surfaces are connected to ground.	7.2 – 3a, 7.2 – 3b, 7.2 – 6a	
3	Proper cleaning fluid and procedures are used for cleaning ESDS items and surfaces.	7.2 – 3d	
4	Wrist straps are connected to grounded points (not the work surfaces) and are checked prior to each shift.	7.2 – 5	
5	Personnel grounding devices are worn by ALL personnel within one meter of all ESD-sensitive devices or hardware.	7.2 – 5	
6	A wrist-strap checker is available in all areas where ESDS items are handled.	7.6 – 3	
7	Foot-grounding devices are being used with ESD-protective floor coverings.	7.2 – 5b	
8	Chair connected to conductive floor or floor mat.	7.2 – 6a(1)	
9	Temperature and humidity are monitored continuously and humidity is maintained between 30% - 70% R.H. A written alternative procedure is available for when humidity drops below 30% R.H.	7.2 – 7	
10	ESDS devices are handled ONLY in an ESD-protected area and are packaged properly when outside this area.	7.2 – 6b	
11	Soldering irons tip-resistance-to-ground no greater than 2 ohms.	7.2 – 9b	
12	ESD survey meters are available to spot-check suspected ESD conditions.	7.6	

REQUIREMENT		STANDARD REF.	COMMENTS
13	Non-static generating clothing or static-dissipative smocks are worn by all personnel.	7.7	
14	All personnel who access ESD-controlled area have received proper training.	7.2 – 1	
15	ESD-controlled area is identified clearly by signs and partitions.	7.2 – 1	
16	Static generating materials are absent from the ESD-controlled area.	7.2 – 2	
17	Signs are posted to prohibit drinking, eating, and smoking in the controlled area.	7.2 – 1	
18	ESDS devices are packaged properly to prevent ESD damage.	7.3	
19	Paperwork accompanying ESDS items are contained in static-dissipative bags or envelopes.	8.1 – 2	
20	ESDS items are marked with ESDS identification, plainly visible on the package exterior.	8.5	
21	Framing of all metallic structures in an ESD-protected area is grounded		
22	Metal scaffolding is connected to ground through a current-limiting safety resistor.		
23	All equipment used for ESD-protection shall require proof that a verification of its proper operation has been performed.		

Comments:
